75272

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From: Brannock, Michael
Sent: Tuesday, September 10, 2002 10:13 AM
T : STIC-Biotech/ChemLib
Subject: 09227854

Please provide a full length and oligo search of SEQ ID NO: 2 against interference databases

Thank You,

Michael T. Brannock, Ph.D.
Patent Examiner, AU 1646
Crystal Mall One, 9E13
(703) 306-5876
Mail Box in room 10C1

Point of Contact
P. Sheppard
Telephone number: (703) 308-4490

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: 9/10/02
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

; CURRENT FILING DATE: 2000-09-13
; PRIOR APPLICATION NUMBER: PCT/EP98/07722
; PRIOR FILING DATE: 1998-11-30
; PRIOR APPLICATION NUMBER: DE 198 11 047.2
; PRIOR FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: ()..()
; OTHER INFORMATION: Angiotropin-related protein
US-09-646-651A-1

Query Match 68.4%; Score 320; DB 20; Length 91;
Best Local Similarity 68.1%; Pred. No. 7.3e-28;
Matches 62; Conservative 10; Mismatches 19; Indels 0; Gaps 0;

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Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
           ||||:|||||:||||||||| ||:||| | ||| |:|||| ||:|| ||:  ||:||  |
Db       1 TKLEDHLEGIINIFHQYSVRLGHYDTLIKRELKYLITKELPNTLKNTKDQGTIDKIFYNL 60

Qy      62 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
            ||||||||| |:||: ||   |  || : |||
Db      61 DANQDEQVSFKEFVVLVTDVLITAHDNIHKE 91
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RESULT 15
US-09-167-705-3
; Sequence 3, Application US/09167705B
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Stern, David
; TITLE OF INVENTION: Extracellular Novel RAGE Binding Protein (EN-RAGE) and
; TITLE OF INVENTION: Uses Thereof
; FILE REFERENCE: 0575/55873
; CURRENT APPLICATION NUMBER: US/09/167,705B
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Human
US-09-167-705-3

Query Match 66.0%; Score 309; DB 15; Length 90;
Best Local Similarity 65.6%; Pred. No. 1.2e-26;
Matches 59; Conservative 13; Mismatches 18; Indels 0; Gaps 0;

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Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
           ||||:|||||:||||||||| ||||||:| ||||||:||||  |::| ||:  ||:||| |
Db       1 TKLEDHLEGIINIFHQYSVRVGHFDTLNKRELKQLITKELPKTLQNTKDQPTIDKIFQDL 60

Qy      62 DANQDEQVDFQEFISLVAIALKAAHYHTHK 91
           ||::|  | |:||: ||:  || ||   ||
Db      61 DADKDGAVSFEEFVVLVSRVLKTAHIDIHK 90
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Search completed: September 11, 2002, 08:34:11
Job time: 327 sec

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;      FILING DATE:  Filed Herewith
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Billings, Lucy J.
;      REGISTRATION NUMBER:  36,749
;      REFERENCE/DOCKET NUMBER:  PF-0172 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-855-0555
;      TELEFAX:  415-845-4166
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  91 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    IMMEDIATE SOURCE:
;      LIBRARY:  GenBank
;      CLONE:  461678
US-08-759-913-5


  Query Match             70.9%;  Score 332;  DB 11;  Length 91;
  Best Local Similarity   70.3%;  Pred. No. 3.3e-29;
  Matches   64;  Conservative   10;  Mismatches   17;  Indels    0;  Gaps    0;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
           ||||:|||||:|||||||||| ||:||| | |||||:|||| ||:|| ||:  ||:||| |
Db       1 TKLEDHLEGIINIFHQYSVRLGHYDTLIKRELKQLITKELPNTLKNTKDQGTIDKIFQNL 60

Qy      62 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           |||||||| |:||: ||   |  || : |||
Db      61 DANQDEQVSFKEFVVLVTDVLITAHDNIHKE 91


RESULT  12
US-08-761-289-9
; Sequence 9, Application US/08761289
;  GENERAL INFORMATION:
;    APPLICANT:  Ni, J., ET AL.
;    TITLE OF INVENTION:  Human Chemotactic Cytokine I
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 INCH DISKETTE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WORD PERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/761,289
;      FILING DATE:  December 6, 1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/008387
;      FILING DATE:  December 8, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MULLINS, J.G.
;      REGISTRATION NUMBER:  33,073
;      REFERENCE/DOCKET NUMBER:  325800-506 (PF210)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  91 AMINO ACIDS
;      TYPE:  AMINO ACID
;      STRANDEDNESS:
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  PEPTIDE
US-08-761-289-9


  Query Match             68.4%;  Score 320;  DB 11;  Length 91;
  Best Local Similarity   68.1%;  Pred. No. 7.3e-28;
  Matches   62;  Conservative   11;  Mismatches   18;  Indels    0;  Gaps    0;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
           ||||:|||||:|||||||||| ||:||| | |||||: ||| ||:|| ||:  ||:||| |
Db       1 TKLEDHLEGIINIFHQYSVRLGHYDTLIKRELKQLIYKELPNTLKNTKDQGTIDKIFQNL 60

Qy      62 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           :|||||| |:||: ||   |  || : |||
Db      61 NANQDEQVSFKEFVVLVTDVLITAHDNIHKE 91


RESULT  13
US-09-646-264A-1
; Sequence 1, Application US/09646264A
; GENERAL INFORMATION:
;  APPLICANT: Kiesewetter, Stefan
;  APPLICANT:  Seibt, Jorg-Volker
;  APPLICANT:  Noll, Michaela
;  TITLE OF INVENTION: METAL-CONTAINING RIBONUCLEOTIDE POLYPEPTIDES
;  FILE REFERENCE: 206604
;  CURRENT APPLICATION NUMBER: US/09/646,264A
;  CURRENT FILING DATE:  2001-05-07
;  PRIOR APPLICATION NUMBER: PCT/EP99/00834
;  PRIOR FILING DATE: 1999-02-09
;  PRIOR APPLICATION NUMBER: DE19810998.9
;  PRIOR FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 91
;   TYPE: PRT
;   ORGANISM: Unknown
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: ()..()
;   OTHER INFORMATION: Angiotropin-related protein
US-09-646-264A-1


  Query Match             68.4%;  Score 320;  DB 20;  Length 91;
  Best Local Similarity   68.1%;  Pred. No. 7.3e-28;
  Matches   62;  Conservative   10;  Mismatches   19;  Indels    0;  Gaps    0;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
           ||||:|||||:|||||||||| ||:||| | ||| |:|||| ||:|| ||:  ||:||  |
Db       1 TKLEDHLEGIINIFHQYSVRLGHYDTLIKRELKYLITKELPNTLKNTKDQGTIDKIFYNL 60

Qy      62 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           |||||||| |:||: ||   |  || : |||
Db      61 DANQDEQVSFKEFVVLVTDVLITAHDNIHKE 91


RESULT  14
US-09-646-651A-1
; Sequence 1, Application US/09646651A
; GENERAL INFORMATION:
;  APPLICANT: Kiesewetter, Stefan
;  APPLICANT:  Kuhn, Eckehard
;  APPLICANT:  Koch-Pelster, Brigitte
;  APPLICANT:  Brunner, Herwig
;  TITLE OF INVENTION: METAL-CONTAINING RIBONUCLEOTIDE POLYPEPTIDES
;  FILE REFERENCE: 206579
;  CURRENT APPLICATION NUMBER: US/09/646,651A
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  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      4 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 63

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     64 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 95


RESULT   8
US-09-760-484-588
; Sequence 588, Application US/09760484
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PTZ43
;  CURRENT APPLICATION NUMBER: US/09/760,484
;  CURRENT FILING DATE:  2001-01-16
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 638
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 588
;   LENGTH: 95
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-760-484-588

  Query Match           100.0%;  Score 468;  DB 21;  Length 95;
  Best Local Similarity  100.0%;  Pred. No. 1.8e-44;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      4 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 63

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     64 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 95


RESULT   9
PCT-US01-08631-57941
; Sequence 57941, Application PC/TUS0108631
; GENERAL INFORMATION:
;  APPLICANT: Hyseq, Inc
;  TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
;  FILE REFERENCE: 21272-049
;  CURRENT APPLICATION NUMBER: PCT/US01/08631
;  CURRENT FILING DATE:  2001-03-30
;  PRIOR APPLICATION NUMBER: 09/540,217
;  PRIOR FILING DATE: 2000-03-31
;  PRIOR APPLICATION NUMBER: 09/649,167
;  PRIOR FILING DATE: 2000-08-23
;  NUMBER OF SEQ ID NOS: 60736
;  SOFTWARE: Custom
; SEQ ID NO 57941
;   LENGTH: 95
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: DOMAIN
;   LOCATION: (52)..(89)
;   OTHER INFORMATION: S-100/ICaBP type calcium binding protein domain identified by
;   OTHER INFORMATION: eMATRIX, accession number BL00303B, p-value=7.107e-24, raw score
;   OTHER INFORMATION: of 26.15
;   NAME/KEY: DOMAIN
;   LOCATION: (7)..(51)
;   OTHER INFORMATION: S-100/ICaBP type calcium binding domain identified by PFam,
;   OTHER INFORMATION: accession name S_100, E-value=2.1e-09, PFam score of 44.7
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(95)
;   OTHER INFORMATION: Xaa = X or * as defined in Table 2
PCT-US01-08631-57941

  Query Match           94.4%;  Score 442;  DB 1;  Length 95;
  Best Local Similarity  96.7%;  Pred. No. 1.5e-41;
  Matches   89;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
          |||||||||||||  | ||||||||||||||||||||||||||||||||||||||||||||
Db      4 MTKLEEHLEGIVNISPQXSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 63

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     64 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 95


RESULT  10
US-09-760-484-450
; Sequence 450, Application US/09760484
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PTZ43
;  CURRENT APPLICATION NUMBER: US/09/760,484
;  CURRENT FILING DATE:  2001-01-16
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 638
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 450
;   LENGTH: 139
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-760-484-450

  Query Match           72.9%;  Score 341;  DB 21;  Length 139;
  Best Local Similarity  98.5%;  Pred. No. 5.8e-30;
  Matches   67;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      3 KLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGLD 62
          :|||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     28 ELEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGLD 87

Qy     63 ANQDEQVD 70
          ||||||||
Db     88 ANQDEQVD 95


RESULT  11
US-08-759-913-5
; Sequence 5, Application US/08759913
;  GENERAL INFORMATION:
;    APPLICANT:  Bandman, Olga
;    APPLICANT:  Goli, Surya K.
;    APPLICANT:  Hillman, Jennifer L.
;    TITLE OF INVENTION:  NOVEL HUMAN S100 PROTEINS
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  US
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/759,913
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EARLIEST PROVISIONAL IS 1/31/00

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;    APPLICANT:  Ni, Jian
;    APPLICANT:  Yu, Guo-Liang
;    APPLICANT:  Alfonso, Pedro
;    APPLICANT:  Gentz, Reiner
;    APPLICANT:  Su, Jeffrey S.
;    TITLE OF INVENTION:  Human Chemotactic Cytokine I
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Human Genome Sciences, Inc.
;      STREET:  9410 Key West Ave
;      CITY:  Rockville
;      STATE:  MD
;      COUNTRY:  USA
;      ZIP:  20850
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/227,854
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/761,289
;      FILING DATE:  06-DEC-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 06/008,378
;      FILING DATE:  08-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brookes, A. Anders
;      REGISTRATION NUMBER:  36,373
;      REFERENCE/DOCKET NUMBER:  PF210D1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-309-8504
;      TELEFAX:  301-309-8439
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  92 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-227-854-2


  Query Match             100.0%;  Score 468;  DB 16;  Length 92;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-44;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
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Db      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92


RESULT   5
US-09-958-053-24
; Sequence 24, Application US/09958053
; GENERAL INFORMATION:
;  APPLICANT: Katus, Hugo A.
;  APPLICANT:  Remppis, Andrew
;  TITLE OF INVENTION: Therapy of cardiac insufficiency
;  FILE REFERENCE: P-UX 5006
;  CURRENT APPLICATION NUMBER: US/09/958,053
;  CURRENT FILING DATE:  2001-10-02
;  PRIOR APPLICATION NUMBER: DE 199 15 485.6
;  PRIOR FILING DATE: 1999-04-07
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 24
;   LENGTH: 92
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   OTHER INFORMATION: S100A12
US-09-958-053-24


  Query Match             100.0%;  Score 468;  DB 23;  Length 92;
  Best Local Similarity   100.0%;  Pred. No. 1.7e-44;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92


RESULT   6
US-09-760-443-1495
; Sequence 1495, Application US/09760443
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PJZ12
;  CURRENT APPLICATION NUMBER: US/09/760,443
;  CURRENT FILING DATE:  2001-01-16
;  Prior application data removed - refer to PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 2164
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1495
;   LENGTH: 95
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-760-443-1495


  Query Match             100.0%;  Score 468;  DB 21;  Length 95;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-44;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      4 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 63

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     64 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 95


RESULT   7
US-09-760-457-432
; Sequence 432, Application US/09760457
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PJZ15
;  CURRENT APPLICATION NUMBER: US/09/760,457
;  CURRENT FILING DATE:  2001-01-16
;  Prior application data removed - consult PALM or file wrapper
;  NUMBER OF SEQ ID NOS: 601
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 432
;   LENGTH: 95
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-760-457-432


  Query Match             100.0%;  Score 468;  DB 21;  Length 95;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-44;
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; REFERENCE/DOCKET NUMBER: 325800-473
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-16871-2

Query Match 100.0%; Score 468; DB 1; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.7e-44;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60

Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
||||||||||||||||||||||||||||||||
Db 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92

RESULT 2
US-08-759-913-1
; Sequence 1, Application US/08759913
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: NOVEL HUMAN S100 PROTEINS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/759,913
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0172 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; CLONE: Consensus
US-08-759-913-1

Query Match 100.0%; Score 468; DB 11; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.7e-44;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
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Db 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60

Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
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Db 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92

RESULT 3
US-08-761-289-2
; Sequence 2, Application US/08761289
; GENERAL INFORMATION:
; APPLICANT: Ni, J., ET AL.
; TITLE OF INVENTION: Human Chemotactic Cytokine I
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/761,289
; FILING DATE: December 6, 1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/008387
; FILING DATE: December 8, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-506 (PF210)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
US-08-761-289-2

Query Match 100.0%; Score 468; DB 11; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.7e-44;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
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Db 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60

Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
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Db 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92

RESULT 4
US-09-227-854-2
; Sequence 2, Application US/09227854
; GENERAL INFORMATION:

GenCore version 4.5

OM protein - protein search, using sw model

Run on: September 11, 2002, 08:28:44 ; Search time 229.42 Seconds
(without alignments)
141.148 Million cell updates/sec

Title: US-09-227-854-2
Perfect score: 468
Sequence: 1 MTKLEEHLEGIVNIFHQYSV.....EFISLVAIALKAAHYHTHKE 92

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 3502263 seqs, 351980561 residues

Total number of hits satisfying chosen parameters: 3502263

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Pending_Patents_AA_Main:*
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25: /cgn2_6/ptodata/2/paa/US101_COMB.pep:*
26: /cgn2_6/ptodata/2/paa/US60_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	468	100.0	92	1	PCT-US95-16871-2	Sequence 2, Appli
2	468	100.0	92	11	US-08-759-913-1	Sequence 1, Appli
3	468	100.0	92	11	US-08-761-289-2	Sequence 2, Appli
4	468	100.0	92	16	US-09-227-854-2	Sequence 2, Appli
5	468	100.0	92	23	US-09-958-053-24	Sequence 24, Appl
6	468	100.0	95	21	US-09-760-443-1495	Sequence 1495, Ap
7	468	100.0	95	21	US-09-760-457-432	Sequence 432, App
8	468	100.0	95	21	US-09-760-484-588	Sequence 588, App
9	442	94.4	95	1	PCT-US01-08631-57941	Sequence 57941, A
10	341	72.9	139	21	US-09-760-484-450	Sequence 450, App
11	332	70.9	91	11	US-08-759-913-5	Sequence 5, Appli
12	320	68.4	91	11	US-08-761-289-9	Sequence 9, Appli
13	320	68.4	91	20	US-09-646-264A-1	Sequence 1, Appli
14	320	68.4	91	20	US-09-646-651A-1	Sequence 1, Appli
15	309	66.0	90	15	US-09-167-705-3	Sequence 3, Appli
16	309	66.0	90	16	US-09-263-312-3	Sequence 3, Appli
17	309	66.0	90	22	US-09-826-589-3	Sequence 3, Appli
18	309	66.0	90	22	US-09-826-589-4	Sequence 4, Appli
19	309	66.0	90	22	US-09-872-185-11	Sequence 11, Appl
20	309	66.0	90	22	US-09-872-185-12	Sequence 12, Appl
21	309	66.0	90	22	US-09-872-185B-11	Sequence 11, Appl
22	309	66.0	90	22	US-09-872-185B-12	Sequence 12, Appl
23	234	50.0	46	1	PCT-US01-00663-37290	Sequence 37290, A
24	234	50.0	46	22	US-09-864-761-41579	Sequence 41579, A
25	224	47.9	363	1	PCT-US01-08631-57940	Sequence 57940, A
26	219	46.8	44	26	US-60-163-233-4362	Sequence 4362, Ap
27	214.5	45.8	100	1	PCT-US95-16871-9	Sequence 9, Appli
28	214.5	45.8	100	11	US-08-761-289-10	Sequence 10, Appl
29	214.5	45.8	100	16	US-09-227-854-9	Sequence 9, Appli
30	214.5	45.8	110	21	US-09-715-418-11	Sequence 11, Appl
31	214.5	45.8	114	11	US-08-759-913-6	Sequence 6, Appli
32	214.5	45.8	114	16	US-09-214-272-4	Sequence 4, Appli
33	214.5	45.8	114	20	US-09-646-673A-146	Sequence 146, App
34	214.5	45.8	114	21	US-09-714-593-102	Sequence 102, App
35	214.5	45.8	114	22	US-09-806-382A-4	Sequence 4, Appli
36	214.5	45.8	114	22	US-09-834-366-20474	Sequence 20474, A
37	214.5	45.8	114	22	US-09-834-366-20480	Sequence 20480, A
38	214.5	45.8	114	22	US-09-834-366-20492	Sequence 20492, A
39	214.5	45.8	114	23	US-09-958-053-18	Sequence 18, Appl
40	214.5	45.8	114	26	US-60-197-873-20474	Sequence 20474, A
41	214.5	45.8	114	26	US-60-197-873-20480	Sequence 20480, A
42	214.5	45.8	114	26	US-60-197-873-20492	Sequence 20492, A
43	214.5	45.8	122	26	US-60-324-109-23379	Sequence 23379, A
44	214.5	45.8	138	26	US-60-340-187-457	Sequence 457, App
45	214.5	45.8	152	18	US-09-488-725A-3139	Sequence 3139, Ap

ALIGNMENTS

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RESULT 1
PCT-US95-16871-2
; Sequence 2, Application PC/TUS9516871
;  GENERAL INFORMATION:
;    APPLICANT:  Ni, Jian
;    APPLICANT:  Yu, Guo-Liang
;    APPLICANT:  Alfonso, Pedro
;    APPLICANT:  Gentz, Reiner
;    TITLE OF INVENTION:  Human Chemotactic Cytokine
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Carella, Byrne, Bain, Gilfillan, Cecchi,
;      ADDRESSEE:  Stewart & Olstein
;      STREET:  6 Becker Farm Road
;      CITY:  Roseland
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07068-1739
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/16871
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ferraro, Gregory D
;      REGISTRATION NUMBER:  36,134
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; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 21 September 2000 (21.09.00)
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 30 June 2000 (30.06.00)
; NUMBER OF SEQ ID NOS: 29119
; SOFTWARE: Molecular Dynamics Sequence Listing Engine
; SEQ ID NO 28051
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011666.18
; FEATURE:
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
; FEATURE:
; OTHER INFORMATION: EST_HUMAN HIT: AV715719.1, EVALUE 1.00e-19
; FEATURE:
; OTHER INFORMATION: SWISSPROT HIT: P80511, EVALUE 1.00e-20
US-10-182-995-28051

Query Match 50.0%; Score 234; DB 6; Length 46;
Best Local Similarity 100.0%; Pred. No. 2.2e-17;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIK 46
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Db 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIK 46

RESULT 15
US-10-203-134-37220
; Sequence 37220, Application US/10203134
; GENERAL INFORMATION:
; APPLICANT: Molecular Dynamics, Inc.
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: ANALYSIS OF GENE EXPRESSION IN HUMAN BONE MARROW
; FILE REFERENCE: PB 0004 WO 6
; CURRENT APPLICATION NUMBER: US/10/203,134
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 04 February 2000 (04.02.00)
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 26 May 2000 (26.05.00)
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 03 August 2000 (03.08.00)
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 03 October 2000 (03.10.00)
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 27 September 2000 (27.09.00)
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 21 September 2000 (21.09.00)
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 30 June 2000 (30.06.00)
; NUMBER OF SEQ ID NOS: 38628
; SOFTWARE: Molecular Dynamics Sequence Listing Engine
; SEQ ID NO 37220
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC011666.18
; FEATURE:
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 7.1
; FEATURE:
; OTHER INFORMATION: EST_HUMAN HIT: AV715719.1, EVALUE 1.00e-19
; FEATURE:
; OTHER INFORMATION: SWISSPROT HIT: P80511, EVALUE 1.00e-20
US-10-203-134-37220

Query Match 50.0%; Score 234; DB 6; Length 46;
Best Local Similarity 100.0%; Pred. No. 2.2e-17;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIK 46
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Search completed: September 11, 2002, 08:34:52
Job time: 348 sec

; SEQ ID NO 101828
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Sus scrofa
US-09-791-537-101828

Query Match 70.9%; Score 332; DB 5; Length 91;
Best Local Similarity 70.3%; Pred. No. 3e-27;
Matches 64; Conservative 10; Mismatches 17; Indels 0; Gaps 0;

Qy 2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
Db 1 TKLEDHLEGIINIFHQYSVRLGHYDTLIKRELKQLITKELPNTLKNTKDQGTIDKIFQNL 60

Qy 62 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
Db 61 DANQDEQVSFKEFVVLVTDVLITAHDNIHKE 91

RESULT 11
US-09-791-537-99618
; Sequence 99618, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 99618
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-791-537-99618

Query Match 68.2%; Score 319; DB 5; Length 92;
Best Local Similarity 66.3%; Pred. No. 6.8e-26;
Matches 61; Conservative 13; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
Db 1 MTKLEDHLEGIINIFHQYSVRVGHFDTLNKRELKQLITKELPKTLQNTKDQPTIDKIFQD 60

Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
Db 61 LDADKDGAVSFEEFVVLVSRVLKTAHIDIHKE 92

RESULT 12
US-09-791-537-13830
; Sequence 13830, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13830
; LENGTH: 81
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-09-791-537-13830

Query Match 58.3%; Score 273; DB 5; Length 81;
Best Local Similarity 64.2%; Pred. No. 3.7e-21;
Matches 52; Conservative 12; Mismatches 17; Indels 0; Gaps 0;

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Qy 72 QEFISLVAIALKAAHYHTHKE 92
Db 61 KEFLSLLASVLVTAHENIHKE 81

RESULT 13
US-09-791-537-138681
; Sequence 138681, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 138681
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-791-537-138681

Query Match 53.0%; Score 248; DB 5; Length 70;
Best Local Similarity 68.6%; Pred. No. 1.3e-18;
Matches 48; Conservative 10; Mismatches 12; Indels 0; Gaps 0;

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Db 1 TKLEDHLEGIINIFHQYSVRVGHFDTLNKRELKQLITKELPKTLQNTKDQPTIDKIFQDL 60

Qy 62 DANQDEQVDF 71
Db 61 DADKKGAVVF 70

RESULT 14
US-10-182-995-28051
; Sequence 28051, Application US/10182995
; GENERAL INFORMATION:
; APPLICANT: Molecular Dynamics, Inc.
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUI
; TITLE OF INVENTION: ANALYSIS OF GENE EXPRESSION IN HUMAN HEART
; FILE REFERENCE: PB 0004 WO 1
; CURRENT APPLICATION NUMBER: US/10/182,995
; CURRENT FILING DATE: 2002-08-02
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 04 February 2000 (04.02.00)
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 26 May 2000 (26.05.00)
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 03 August 2000 (03.08.00)
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 03 October 2000 (03.10.00)
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 27 September 2000 (27.09.00)

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;  CURRENT APPLICATION NUMBER: US/10/212,054
;  CURRENT FILING DATE:  2002-08-06
;  NUMBER OF SEQ ID NOS: 2164
;  Prior application removed - See File Wrapper or Palm
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1495
;   LENGTH: 95
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-212-054-1495


  Query Match             100.0%;  Score 468;  DB 6;  Length 95;
  Best Local Similarity   100.0%;  Pred. No. 2e-41;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
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Db      4 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 63

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     64 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 95


RESULT   7
US-10-217-527-432
; Sequence 432, Application US/10217527
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al.
;  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
;  FILE REFERENCE: PJZ15C1N
;  CURRENT APPLICATION NUMBER: US/10/217,527
;  CURRENT FILING DATE:  2002-08-14
;  Prior Application removed - See File Wrapper or Palm
;  NUMBER OF SEQ ID NOS: 601
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 432
;   LENGTH: 95
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-217-527-432


  Query Match             100.0%;  Score 468;  DB 6;  Length 95;
  Best Local Similarity   100.0%;  Pred. No. 2e-41;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
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Db      4 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 63

Qy     61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
          ||||||||||||||||||||||||||||||||
Db     64 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 95


RESULT   8
US-09-791-537-132106
; Sequence 132106, Application US/09791537
; GENERAL INFORMATION:
;  APPLICANT: Bionomix, Inc.
;  APPLICANT:  Debe, Derek
;  APPLICANT:  Danzer, Joseph
;  TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
;  TITLE OF INVENTION:  METHODS OF USE THEREOF
;  FILE REFERENCE: 261/210
;  CURRENT APPLICATION NUMBER: US/09/791,537
;  CURRENT FILING DATE:  2001-02-22
;  NUMBER OF SEQ ID NOS: 153055
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 132106
;   LENGTH: 91
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-791-537-132106


  Query Match             98.9%;  Score 463;  DB 5;  Length 91;
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  Matches   91;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db     61 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 91


RESULT   9
US-10-030-937-21
; Sequence 21, Application US/10030937
; GENERAL INFORMATION:
;  APPLICANT: ROECKLIN, Dominique
;  APPLICANT:  KOLBE, Hanno
;  APPLICANT:  CHARLES, Marie-Helene
;  APPLICANT:  MALCUS, Carine
;  APPLICANT:  SANTORO, Lyse
;  APPLICANT:  PERRON, Herve
;  TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATIN
;  TITLE OF INVENTION:  CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL O
;  FILE REFERENCE: 111664
;  CURRENT APPLICATION NUMBER: US/10/030,937
;  CURRENT FILING DATE:  2002-07-01
;  PRIOR APPLICATION NUMBER: PCT/FR00/02057
;  PRIOR FILING DATE: 2000-07-17
;  PRIOR APPLICATION NUMBER: FR9909372
;  PRIOR FILING DATE: 1999-07-15
;  NUMBER OF SEQ ID NOS: 75
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 91
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-030-937-21


  Query Match             98.9%;  Score 463;  DB 6;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 6.4e-41;
  Matches   91;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy     62 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
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RESULT  10
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; Sequence 101828, Application US/09791537
; GENERAL INFORMATION:
;  APPLICANT: Bionomix, Inc.
;  APPLICANT:  Debe, Derek
;  APPLICANT:  Danzer, Joseph
;  TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMII
;  TITLE OF INVENTION:  METHODS OF USE THEREOF
;  FILE REFERENCE: 261/210
;  CURRENT APPLICATION NUMBER: US/09/791,537
;  CURRENT FILING DATE:  2001-02-22
;  NUMBER OF SEQ ID NOS: 153055
;  SOFTWARE: PatentIn version 3.0
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US-10-077-600-2

Query Match 100.0%; Score 468; DB 6; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.9e-41;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
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RESULT 3
US-10-030-937-19
; Sequence 19, Application US/10030937
; GENERAL INFORMATION:
; APPLICANT: ROECKLIN, Dominique
; APPLICANT: KOLBE, Hanno
; APPLICANT: CHARLES, Marie-Helene
; APPLICANT: MALCUS, Carine
; APPLICANT: SANTORO, Lyse
; APPLICANT: PERRON, Herve
; TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING A PATH
; TITLE OF INVENTION: CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL OR AUTOIM
; FILE REFERENCE: 111664
; CURRENT APPLICATION NUMBER: US/10/030,937
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: PCT/FR00/02057
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: FR9909372
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-030-937-19

Query Match 100.0%; Score 468; DB 6; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.9e-41;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
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Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
Db 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92

RESULT 4
US-10-030-937-20
; Sequence 20, Application US/10030937
; GENERAL INFORMATION:
; APPLICANT: ROECKLIN, Dominique
; APPLICANT: KOLBE, Hanno
; APPLICANT: CHARLES, Marie-Helene
; APPLICANT: MALCUS, Carine
; APPLICANT: SANTORO, Lyse
; APPLICANT: PERRON, Herve
; TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING A PATH
; TITLE OF INVENTION: CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL OR AUTOIM
; FILE REFERENCE: 111664
; CURRENT APPLICATION NUMBER: US/10/030,937
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: PCT/FR00/02057
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: FR9909372
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-030-937-20

Query Match 100.0%; Score 468; DB 6; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.9e-41;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
Db 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92

RESULT 5
US-10-030-937-23
; Sequence 23, Application US/10030937
; GENERAL INFORMATION:
; APPLICANT: ROECKLIN, Dominique
; APPLICANT: KOLBE, Hanno
; APPLICANT: CHARLES, Marie-Helene
; APPLICANT: MALCUS, Carine
; APPLICANT: SANTORO, Lyse
; APPLICANT: PERRON, Herve
; TITLE OF INVENTION: USE OF A POLYPEPTIDE FOR DETECTING, PREVENTING OR TREATING
; TITLE OF INVENTION: CONDITION ASSOCIATED WITH A DEGENERATIVE, NEUROLOGICAL OR
; FILE REFERENCE: 111664
; CURRENT APPLICATION NUMBER: US/10/030,937
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: PCT/FR00/02057
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: FR9909372
; PRIOR FILING DATE: 1999-07-15
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-030-937-23

Query Match 100.0%; Score 468; DB 6; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.9e-41;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
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RESULT 6
US-10-212-054-1495
; Sequence 1495, Application US/10212054
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJZ12C1N

GenCore version 4.5

OM protein - protein search, using sw model

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Perfect score: 468
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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2	468	100.0	92	6	US-10-077-600-2	Sequence 2, Appli
3	468	100.0	92	6	US-10-030-937-19	Sequence 19, Appl
4	468	100.0	92	6	US-10-030-937-20	Sequence 20, Appl
5	468	100.0	92	6	US-10-030-937-23	Sequence 23, Appl
6	468	100.0	95	6	US-10-212-054-1495	Sequence 1495, Ap
7	468	100.0	95	6	US-10-217-527-432	Sequence 432, App
8	463	98.9	91	5	US-09-791-537-132106	Sequence 132106,
9	463	98.9	91	6	US-10-030-937-21	Sequence 21, Appl
10	332	70.9	91	5	US-09-791-537-101828	Sequence 101828,
11	319	68.2	92	5	US-09-791-537-99618	Sequence 99618, A
12	273	58.3	81	5	US-09-791-537-13830	Sequence 13830, A
13	248	53.0	70	5	US-09-791-537-138681	Sequence 138681,
14	234	50.0	46	6	US-10-182-995-28051	Sequence 28051, A
15	234	50.0	46	6	US-10-203-134-37220	Sequence 37220, A
16	234	50.0	46	6	US-10-203-136-37227	Sequence 37227, A
17	234	50.0	46	6	US-10-182-993-36198	Sequence 36198, A
18	234	50.0	46	6	US-10-203-135-35692	Sequence 35692, A
19	234	50.0	46	6	US-10-203-137-37290	Sequence 37290, A
20	234	50.0	46	6	US-10-203-139-35818	Sequence 35818, A
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23	214.5	45.8	114	5	US-09-791-537-22162	Sequence 22162, A
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25	214.5	45.8	114	6	US-10-030-937-17	Sequence 17, Appl
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28	212.5	45.4	119	6	US-10-212-778-768	Sequence 768, App
29	212.5	45.4	119	6	US-10-217-527-328	Sequence 328, App
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36	190	40.6	92	5	US-09-791-537-137727	Sequence 137727,
37	189	40.4	92	5	US-09-791-537-139303	Sequence 139303,
38	189	40.4	101	5	US-09-791-537-138923	Sequence 138923,
39	189	40.4	125	6	US-10-212-054-863	Sequence 863, App
40	189	40.4	125	6	US-10-217-527-261	Sequence 261, App
41	188	40.2	91	5	US-09-791-537-151224	Sequence 151224,
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45	185	39.5	88	5	US-09-791-537-105345	Sequence 105345,

ALIGNMENTS

RESULT 1
US-09-791-537-137536
; Sequence 137536, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMI
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 137536
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-137536

Query Match 100.0%; Score 468; DB 5; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.9e-41;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
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RESULT 2
US-10-077-600-2
; Sequence 2, Application US/10077600
; GENERAL INFORMATION:
; APPLICANT: Switch Biotech AG
; TITLE OF INVENTION: Method for diagnosis of inflammatory diseases using Calgra
; FILE REFERENCE: S30274US
; CURRENT APPLICATION NUMBER: US/10/077,600
; CURRENT FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 92
; TYPE: PRT
; ORGANISM: homo sapiens

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;    APPLICANT:  Bandman, Olga
;    APPLICANT:  Corley, Neil C.
;    APPLICANT:  Lal, Preeti
;    APPLICANT:  Shah, Purvi
;    TITLE OF INVENTION:  HUMAN S100 PROTEINS
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/918,727
;      FILING DATE:  Herewith
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Billings, Lucy J.
;      REGISTRATION NUMBER:  36,749
;      REFERENCE/DOCKET NUMBER:  PF-0373 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-855-0555
;      TELEFAX:  650-845-4166
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  113 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      LIBRARY:  GenBank
;      CLONE:  488157
US-08-918-727-7


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  Best Local Similarity   38.5%;  Pred. No. 1.6e-14;
  Matches   35;  Conservative   24;  Mismatches   31;  Indels    1;  Gaps    1;

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Qy      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHK 91
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Db      67 LDTNQDNQLSFEECMMLMGKLIFACHEKLHE 97


RESULT  15
US-09-205-680A-7
; Sequence 7, Application US/09205680A
; Patent No. 6103497
;  GENERAL INFORMATION:
;    APPLICANT:  Hillman, Jennifer L.
;    APPLICANT:  Bandman, Olga
;    APPLICANT:  Corley, Neil C.
;    APPLICANT:  Lal, Preeti
;    APPLICANT:  Shah, Purvi
;    TITLE OF INVENTION:  HUMAN S100 PROTEINS
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/205,680A
;      FILING DATE:  Herewith
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Colette C. Muenzen
;      REGISTRATION NUMBER:  39,784
;      REFERENCE/DOCKET NUMBER:  PF-0373 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-855-0555
;      TELEFAX:  650-845-4166
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  113 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      LIBRARY:  GenBank
;      CLONE:  488157
US-09-205-680A-7


  Query Match             38.6%;  Score 180.5;  DB 3;  Length 113;
  Best Local Similarity   38.5%;  Pred. No. 1.6e-14;
  Matches   35;  Conservative   24;  Mismatches   31;  Indels    1;  Gaps    1;

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;       FILING DATE:  Herewith
;       CLASSIFICATION:  530
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Colette C. Muenzen
;       REGISTRATION NUMBER:  39,784
;       REFERENCE/DOCKET NUMBER:  PF-0373 US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  650-855-0555
;       TELEFAX:  650-845-4166
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  92 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     IMMEDIATE SOURCE:
;       LIBRARY:  GenBank
;       CLONE:  337730
US-09-205-680A-5


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  Best Local Similarity   39.5%;  Pred. No. 1.2e-15;
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RESULT  12
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; Sequence 1, Application US/09051589
; Patent No. 5990080
; GENERAL INFORMATION:
;  APPLICANT: HAGLID, Kenneth G.
;  TITLE OF INVENTION: USE OF PROTEIN S-100B IN MEDICINES CONTAINING THE
;  TITLE OF INVENTION: PROTEIN S-100B
;  FILE REFERENCE: 003300-478
;  CURRENT APPLICATION NUMBER: US/09/051,589
;  CURRENT FILING DATE: 1998-04-15
;  EARLIER APPLICATION NUMBER: SE 9503620-8
;  EARLIER FILING DATE: 1995-10-17
;  EARLIER APPLICATION NUMBER: PCT/SE96/01305
;  EARLIER FILING DATE: 1996-10-15
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 92
;   TYPE: PRT
;   ORGANISM: Protein S-100b
US-09-051-589-1


  Query Match             40.0%;  Score 187;  DB 2;  Length 92;
  Best Local Similarity   38.4%;  Pred. No. 2e-15;
  Matches   33;  Conservative   27;  Mismatches   26;  Indels    0;  Gaps    0;

Qy       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
           |::||: :  ::::|||||| |:|    | | |||:|:  ||:: :: ||:: |:|:: :
Db       1 MSELEKAMVALIDVFHQYSGREGDKHKLKKSELKELINNELSHFLEEIKEQEVVDKVMET 60

Qy      61 LDANQDEQVDFQEFISLVAIALKAAH 86
           || : | : |||||:: |::   | |
Db      61 LDEDGDGECDFQEFMAFVSMVTTACH 86


RESULT  13
US-07-987-272A-11
; Sequence 11, Application US/07987272A
; Patent No. 5731166
;  GENERAL INFORMATION:
;    APPLICANT:  Geczy, C., Simpson, R. J. and Lackmann, M
;    TITLE OF INVENTION:  No. 5731166el Chemotactic Factor
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cushman Darby & Cushman
;      STREET:  1100 New York Avenue, N. W., Ninth Floor, East Tower
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  USA
;      ZIP:  20005-3918
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/987,272A
;      FILING DATE:  05-MAR-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  AU PK 2127
;      FILING DATE:  05-FEB-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  AU PK 4463
;      FILING DATE:  05-SEP-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brinkman, David W
;      REGISTRATION NUMBER:  20,817
;      REFERENCE/DOCKET NUMBER:  DWB/1925/200259
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861 3000
;      TELEFAX:  202-822 0944
;      TELEX:  6714627 CUSH
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  91 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-07-987-272A-11


  Query Match             39.3%;  Score 184;  DB 1;  Length 91;
  Best Local Similarity   38.8%;  Pred. No. 4.6e-15;
  Matches   33;  Conservative   26;  Mismatches   26;  Indels    0;  Gaps    0;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
           ::||: :  ::::|||||| |:|    | | |||:|:  ||:: :: ||:: |:|:: : |
Db       1 SELEKAMVALIDVFHQYSGREGDKHKLKKSELKELINNELSHFLEEIKEQEVVDKVMETL 60

Qy      62 DANQDEQVDFQEFISLVAIALKAAH 86
           | : | : |||||:: ||:   | |
Db      61 DNDGDGECDFQEFMAFVAMVTTACH 85


RESULT  14
US-08-918-727-7
; Sequence 7, Application US/08918727
; Patent No. 5849528
;  GENERAL INFORMATION:
;    APPLICANT:  Hillman, Jennifer L.
```

```
RESULT   9
US-09-270-455-2
; Sequence 2, Application US/09270455
; Patent No. 6313267
;  GENERAL INFORMATION:
;    APPLICANT:  HITOMI, JIRO
;    APPLICANT:  YAMAGUCHI, KEN
;    APPLICANT:  YAMAMURA,TOKUJIRO
;    APPLICANT:  KIMURA, TATSUJI
;    TITLE OF INVENTION:  NOVEL CALCIUM-BINDING PROTEINS
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  WYATT,GERBER,MELLER & O'ROURKE
;      STREET:  99 PARK AVENUE
;      STREET:  6th FLOOR
;      CITY:  NEW YORK CITY
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10016
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE,3.50 INCH,720 Kb
;      MEDIUM TYPE:  STORAGE
;      COMPUTER:  IBM-PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS 6.2
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/270,455
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/568,310
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KLEIN, MILTON
;      REGISTRATION NUMBER:  27101
;      REFERENCE/DOCKET NUMBER:  3316
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)953-3350
;      TELEFAX:  (212)953-3352
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  51
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  2: FROM 1 TO 51
US-09-270-455-2


  Query Match             43.8%;  Score 205;  DB 4;  Length 51;
  Best Local Similarity   76.0%;  Pred. No. 6.5e-18;
  Matches   38;  Conservative    7;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDK 51
           ||||:||||||:|||||||||| ||||||:| |||||:|||| |::| ||:
Db       1 TKLEDHLEGIINIFHQYSVRVGHFDTLNKRELKQLITKELPKTLQNTKDQ 50


RESULT  10
US-08-918-727-5
; Sequence 5, Application US/08918727
; Patent No. 5849528
;  GENERAL INFORMATION:
;    APPLICANT:  Hillman, Jennifer L.
;    APPLICANT:  Bandman, Olga
;    APPLICANT:  Corley, Neil C.
;    APPLICANT:  Lal, Preeti
;    APPLICANT:  Shah, Purvi
;    TITLE OF INVENTION:  HUMAN S100 PROTEINS
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/918,727
;      FILING DATE:  Herewith
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Billings, Lucy J.
;      REGISTRATION NUMBER:  36,749
;      REFERENCE/DOCKET NUMBER:  PF-0373 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-855-0555
;      TELEFAX:  650-845-4166
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  92 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    IMMEDIATE SOURCE:
;      LIBRARY:  GenBank
;      CLONE:  337730
US-08-918-727-5


  Query Match             40.4%;  Score 189;  DB 2;  Length 92;
  Best Local Similarity   39.5%;  Pred. No. 1.2e-15;
  Matches   34;  Conservative   26;  Mismatches   26;  Indels    0;  Gaps    0;

Qy       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
             |::||: :  ::::|||| |:|    | | |||:|:  ||:: :: ||:: |:|:: :
Db       1 MSELEKAMVALIDVFHQYSGREGDKHKLKKSELKELINNELSHFLEEIKEQEVVDKVMET 60

Qy      61 LDANQDEQVDFQEFISLVAIALKAAH 86
             || : | : |||||:: ||:   | |
Db      61 LDNDGDGECDFQEFMAFVAMVTTACH 86


RESULT  11
US-09-205-680A-5
; Sequence 5, Application US/09205680A
; Patent No. 6103497
;  GENERAL INFORMATION:
;    APPLICANT:  Hillman, Jennifer L.
;    APPLICANT:  Bandman, Olga
;    APPLICANT:  Corley, Neil C.
;    APPLICANT:  Lal, Preeti
;    APPLICANT:  Shah, Purvi
;    TITLE OF INVENTION:  HUMAN S100 PROTEINS
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  114 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    IMMEDIATE SOURCE:
;      CLONE:  hMRP-14 protein
US-08-385-241-3


  Query Match             45.8%;  Score 214.5;  DB 1;  Length 114;
  Best Local Similarity   46.7%;  Pred. No. 1.3e-18;
  Matches   43;  Conservative   22;  Mismatches   26;  Indels    1;  Gaps    1;

Qy       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTI-KNIKDKAVIDEIFQ 59
           |::|| ::| |:| ||||||: || |||::|| |:|: |:| | : |  |:: ||: | :
Db       5 MSQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKENKNEKVIEHIME 64

Qy      60 GLDANQDEQVDFQEFISLVAIALKAAHYHTHK 91
             || | |:|: |:||| |:|    |:|   |:
Db      65 DLDTNADKQLSFEEFIMLMARLTWASHEKMHE 96


RESULT   7
US-07-987-272A-8
; Sequence 8, Application US/07987272A
; Patent No. 5731166
;  GENERAL INFORMATION:
;    APPLICANT:  Geczy, C., Simpson, R. J. and Lackmann, M
;    TITLE OF INVENTION:  No. 5731166el Chemotactic Factor
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cushman Darby & Cushman
;      STREET:  1100 New York Avenue, N. W., Ninth Floor, East Tower
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  USA
;      ZIP:  20005-3918
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/987,272A
;      FILING DATE:  05-MAR-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  AU PK 2127
;      FILING DATE:  05-FEB-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  AU PK 4463
;      FILING DATE:  05-SEP-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brinkman, David W
;      REGISTRATION NUMBER:  20,817
;      REFERENCE/DOCKET NUMBER:  DWB/1925/200259
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861 3000
;      TELEFAX:  202-822 0944
;      TELEX:  6714627 CUSH
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  109 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-07-987-272A-8


  Query Match             44.8%;  Score 209.5;  DB 1;  Length 109;
  Best Local Similarity   46.2%;  Pred. No. 5e-18;
  Matches   42;  Conservative   22;  Mismatches   26;  Indels    1;  Gaps    1;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTI-KNIKDKAVIDEIFQG 60
           ::|| ::| |:| ||||||: || |||::|| |:|: |:| | : |  |:: ||: | :
Db       1 SQLERNIETIINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNFLKKENKNELVIEHIMED 60

Qy      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHK 91
             || | |:|: |:||| |:|    |:|   |:
Db      61 LDTNADKQLSFEEFIMLMARLTWASHEKMHE 91


RESULT   8
US-08-568-310D-2
; Sequence 2, Application US/08568310D
; Patent No. 5976832
;  GENERAL INFORMATION:
;    APPLICANT:  HITOMI, JIRO
;    APPLICANT:  YAMAGUCHI, KEN
;    APPLICANT:  YAMAMURA,TOKUJIRO
;    APPLICANT:  KIMURA, TATSUJI
;    TITLE OF INVENTION:  NOVEL CALCIUM-BINDING PROTEINS
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  WYATT,GERBER,MELLER & O'ROURKE
;      STREET:  99 PARK AVENUE
;      STREET:  6th FLOOR
;      CITY:  NEW YORK CITY
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10016
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE,3.50 INCH,720 Kb
;      MEDIUM TYPE:  STORAGE
;      COMPUTER:  IBM-PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS 6.2
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/568,310D
;      FILING DATE:  DECEMBER 6, 1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  7-70468 and 7-45564(both Japan)
;      FILING DATE:  3/6/95 and 3/6/95,respectively
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KLEIN, MILTON
;      REGISTRATION NUMBER:  27101
;      REFERENCE/DOCKET NUMBER:  3316
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)953-3350
;      TELEFAX:  (212)953-3352
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  51
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  2:
;      RELEVANT RESIDUES IN SEQ ID NO:  FROM 1 TO 51
US-08-568-310D-2


  Query Match             43.8%;  Score 205;  DB 2;  Length 51;
  Best Local Similarity   76.0%;  Pred. No. 6.5e-18;
  Matches   38;  Conservative    7;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDK 51
           ||||:|||||:||||||||| ||||||:| |||||:|||| |:::| ||:
Db       1 TKLEDHLEGIINIFHQYSVRVGHFDTLNKRELKQLITKELPKTLQNTKDQ 50
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;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE,3.50 INCH,720 Kb
;      MEDIUM TYPE:  STORAGE
;      COMPUTER:  IBM-PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS 6.2
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/568,310D
;      FILING DATE:  DECEMBER 6, 1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  7-70468 and 7-45564(both Japan)
;      FILING DATE:  3/6/95 and 3/6/95,respectively
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KLEIN, MILTON
;      REGISTRATION NUMBER:  27101
;      REFERENCE/DOCKET NUMBER:  3316
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)953-3350
;      TELEFAX:  (212)953-3352
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  92
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  19:
;      RELEVANT RESIDUES IN SEQ ID NO:  FROM 1 TO 92
US-08-568-310D-19


  Query Match             68.2%;  Score 319;  DB 2;  Length 92;
  Best Local Similarity   66.3%;  Pred. No. 2.8e-31;
  Matches   61;  Conservative   13;  Mismatches   18;  Indels    0;  Gaps    0;

Qy       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
           |||||:|||||:|||||||||| ||||||:| |||||:|||| |::| ||:  ||:|||
Db       1 MTKLEDHLEGIINIFHQYSVRVGHFDTLNKRELKQLITKELPKTLQNTKDQPTIDKIFQD 60

Qy      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           |||::|  | |:||: ||:  || ||   |||
Db      61 LDADKDGAVSFEEFVVLVSRVLKTAHIDIHKE 92


RESULT   5
US-09-270-455-19
; Sequence 19, Application US/09270455
; Patent No. 6313267
;  GENERAL INFORMATION:
;    APPLICANT:  HITOMI, JIRO
;    APPLICANT:  YAMAGUCHI, KEN
;    APPLICANT:  YAMAMURA,TOKUJIRO
;    APPLICANT:  KIMURA, TATSUJI
;    TITLE OF INVENTION:  NOVEL CALCIUM-BINDING PROTEINS
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  WYATT,GERBER,MELLER & O'ROURKE
;      STREET:  99 PARK AVENUE
;      STREET:  6th FLOOR
;      CITY:  NEW YORK CITY
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10016
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE,3.50 INCH,720 Kb
;      MEDIUM TYPE:  STORAGE
;      COMPUTER:  IBM-PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS 6.2
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/270,455
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/568,310
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KLEIN, MILTON
;      REGISTRATION NUMBER:  27101
;      REFERENCE/DOCKET NUMBER:  3316
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)953-3350
;      TELEFAX:  (212)953-3352
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  92
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  19: FROM 1 TO 92
US-09-270-455-19


  Query Match             68.2%;  Score 319;  DB 4;  Length 92;
  Best Local Similarity   66.3%;  Pred. No. 2.8e-31;
  Matches   61;  Conservative   13;  Mismatches   18;  Indels    0;  Gaps    0;

Qy       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
           |||||:|||||:|||||||||| ||||||:| |||||:|||| |::| ||:  ||:|||
Db       1 MTKLEDHLEGIINIFHQYSVRVGHFDTLNKRELKQLITKELPKTLQNTKDQPTIDKIFQD 60

Qy      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           |||::|  | |:||: ||:  || ||   |||
Db      61 LDADKDGAVSFEEFVVLVSRVLKTAHIDIHKE 92


RESULT   6
US-08-385-241-3
; Sequence 3, Application US/08385241
; Patent No. 5776348
;  GENERAL INFORMATION:
;    APPLICANT:  Selengut Ph.D., Jeremy D.
;    APPLICANT:  Orme-Johnson Ph.D., William H.
;    APPLICANT:  Dretler M.D., Stephen P.
;    APPLICANT:  Asakura M.D., Hirotaka
;    TITLE OF INVENTION:  SYSTEM AND METHOD FOR INHIBITING
;    TITLE OF INVENTION:  FORMATION OF CRYSTALLINE STRUCTURES THAT INCLUDE STRUVI
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Choate, Hall & Stewart
;      STREET:  53 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2891
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/385,241
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Herschbach Ph.D., Brenda M.
;      REGISTRATION NUMBER:  P-39,223
;      REFERENCE/DOCKET NUMBER:  492611-000 (MIT6915)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-5175
;      TELEFAX:  (617) 248-4000
;  INFORMATION FOR SEQ ID NO:  3:
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```
  Query Match           100.0%;  Score 468;  DB 2;  Length 92;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-49;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60

Qy      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           ||||||||||||||||||||||||||||||||
Db      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92


RESULT   2
US-09-270-455-20
; Sequence 20, Application US/09270455
; Patent No. 6313267
;  GENERAL INFORMATION:
;    APPLICANT:  HITOMI, JIRO
;    APPLICANT:  YAMAGUCHI, KEN
;    APPLICANT:  YAMAMURA,TOKUJIRO
;    APPLICANT:  KIMURA, TATSUJI
;    TITLE OF INVENTION:  NOVEL CALCIUM-BINDING PROTEINS
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  WYATT,GERBER,MELLER & O'ROURKE
;      STREET:  99 PARK AVENUE
;      STREET:  6th FLOOR
;      CITY:  NEW YORK CITY
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10016
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE,3.50 INCH,720 Kb
;      MEDIUM TYPE:  STORAGE
;      COMPUTER:  IBM-PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS 6.2
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/270,455
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/568,310
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KLEIN, MILTON
;      REGISTRATION NUMBER:  27101
;      REFERENCE/DOCKET NUMBER:  3316
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)953-3350
;      TELEFAX:  (212)953-3352
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  92
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  20: FROM 1 TO 92
US-09-270-455-20


  Query Match           100.0%;  Score 468;  DB 4;  Length 92;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-49;
  Matches   92;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 MTKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQG 60
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Qy      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           ||||||||||||||||||||||||||||||||
Db      61 LDANQDEQVDFQEFISLVAIALKAAHYHTHKE 92


RESULT   3
US-08-794-000-2
; Sequence 2, Application US/08794000
; Patent No. 6087123
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Metal-Containing Ribonucleotide Polypeptides
;    NUMBER OF SEQUENCES:  4
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/794,000
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/DE96/01337
;      FILING DATE:  17-JUL-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 195 25 992.0
;      FILING DATE:  17-JUL-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 195 30 500.0
;      FILING DATE:  18-AUG-1995
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  91 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-794-000-2


  Query Match           70.9%;  Score 332;  DB 3;  Length 91;
  Best Local Similarity  70.3%;  Pred. No. 7.7e-33;
  Matches   64;  Conservative   10;  Mismatches   17;  Indels    0;  Gaps    0;

Qy       2 TKLEEHLEGIVNIFHQYSVRKGHFDTLSKGELKQLLTKELANTIKNIKDKAVIDEIFQGL 61
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Db       1 TKLEDHLEGIINIFHQYSVRLGHYDTLIKRELKQLITKELPNTLKNTKDQGTIDKIFQNL 60

Qy      62 DANQDEQVDFQEFISLVAIALKAAHYHTHKE 92
           ||||||| |:||: ||   |  || : |||
Db      61 DANQDEQVSFKEFVVLVTDVLITAHDNIHKE 91


RESULT   4
US-08-568-310D-19
; Sequence 19, Application US/08568310D
; Patent No. 5976832
;  GENERAL INFORMATION:
;    APPLICANT:  HITOMI, JIRO
;    APPLICANT:  YAMAGUCHI, KEN
;    APPLICANT:  YAMAMURA,TOKUJIRO
;    APPLICANT:  KIMURA, TATSUJI
;    TITLE OF INVENTION:  NOVEL CALCIUM-BINDING PROTEINS
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  WYATT,GERBER,MELLER & O'ROURKE
;      STREET:  99 PARK AVENUE
;      STREET:  6th FLOOR
;      CITY:  NEW YORK CITY
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10016
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GenCore version 4.5

OM protein - protein search, using sw model

Run on: September 11, 2002, 08:28:24 ; Search time 13.11 Seconds
(without alignments)
171.408 Million cell updates/sec

Title: US-09-227-854-2
Perfect score: 468
Sequence: 1 MTKLEEHLEGIVNIFHQYSV.....EFISLVAIALKAAHYHTHKE 92

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	468	100.0	92	2	US-08-568-310D-20	Sequence 20, Appl
2	468	100.0	92	4	US-09-270-455-20	Sequence 20, Appl
3	332	70.9	91	3	US-08-794-000-2	Sequence 2, Appli
4	319	68.2	92	2	US-08-568-310D-19	Sequence 19, Appl
5	319	68.2	92	4	US-09-270-455-19	Sequence 19, Appl
6	214.5	45.8	114	1	US-08-385-241-3	Sequence 3, Appli
7	209.5	44.8	109	1	US-07-987-272A-8	Sequence 8, Appli
8	205	43.8	51	2	US-08-568-310D-2	Sequence 2, Appli
9	205	43.8	51	4	US-09-270-455-2	Sequence 2, Appli
10	189	40.4	92	2	US-08-918-727-5	Sequence 5, Appli
11	189	40.4	92	3	US-09-205-680A-5	Sequence 5, Appli
12	187	40.0	92	2	US-09-051-589-1	Sequence 1, Appli
13	184	39.3	91	1	US-07-987-272A-11	Sequence 11, Appl
14	180.5	38.6	113	2	US-08-918-727-7	Sequence 7, Appli
15	180.5	38.6	113	3	US-09-205-680A-7	Sequence 7, Appli
16	158	33.8	93	1	US-07-987-272A-7	Sequence 7, Appli
17	158	33.8	93	1	US-07-987-272A-16	Sequence 16, Appl
18	158	33.8	93	1	US-08-385-241-1	Sequence 1, Appli
19	157.5	33.7	101	1	US-08-190-560-2	Sequence 2, Appli
20	157.5	33.7	101	1	US-08-469-277-2	Sequence 2, Appli
21	157.5	33.7	101	2	US-08-468-946-2	Sequence 2, Appli
22	157.5	33.7	101	2	US-08-468-942-2	Sequence 2, Appli
23	157	33.5	105	2	US-08-918-727-6	Sequence 6, Appli
24	157	33.5	105	3	US-09-205-680A-6	Sequence 6, Appli
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26	154	32.9	89	1	US-07-987-272A-14	Sequence 14, Appl
27	153.5	32.8	97	1	US-07-662-198B-2	Sequence 2, Appli
28	147.5	31.5	89	1	US-07-987-272A-10	Sequence 10, Appl
29	138	29.5	50	1	US-08-200-016-5	Sequence 5, Appli
30	137.5	29.4	98	2	US-08-918-727-3	Sequence 3, Appli
31	137.5	29.4	98	3	US-09-205-680A-3	Sequence 3, Appli
32	137.5	29.4	98	3	US-09-048-889-11	Sequence 11, Appl
33	135	28.8	76	1	US-07-987-272A-17	Sequence 17, Appl
34	127.5	27.2	95	1	US-07-987-272A-9	Sequence 9, Appli
35	124	26.5	75	1	US-07-987-272A-12	Sequence 12, Appl
36	113.5	24.3	101	1	US-08-469-486-58	Sequence 58, Appl
37	113.5	24.3	101	2	US-08-469-658-58	Sequence 58, Appl
38	106	22.6	1898	1	US-08-056-200-94	Sequence 94, Appl
39	106	22.6	1898	2	US-08-800-644-94	Sequence 94, Appl
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41	105.5	22.5	103	3	US-09-205-680A-1	Sequence 1, Appli
42	103	22.0	45	1	US-08-056-200-105	Sequence 105, App
43	103	22.0	45	2	US-08-800-644-105	Sequence 105, App
44	101	21.6	104	3	US-09-048-889-5	Sequence 5, Appli
45	95	20.3	45	1	US-08-056-200-97	Sequence 97, Appl

ALIGNMENTS

```
RESULT 1
US-08-568-310D-20
; Sequence 20, Application US/08568310D
; Patent No. 5976832
; GENERAL INFORMATION:
;   APPLICANT: HITOMI, JIRO
;   APPLICANT: YAMAGUCHI, KEN
;   APPLICANT: YAMAMURA,TOKUJIRO
;   APPLICANT: KIMURA, TATSUJI
;   TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
;   NUMBER OF SEQUENCES: 20
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: WYATT,GERBER,MELLER & O'ROURKE
;     STREET: 99 PARK AVENUE
;     STREET: 6th FLOOR
;     CITY: NEW YORK CITY
;     STATE: NEW YORK
;     COUNTRY: USA
;     ZIP: 10016
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: DISKETTE,3.50 INCH,720 Kb
;     MEDIUM TYPE: STORAGE
;     COMPUTER: IBM-PC COMPATIBLE
;     OPERATING SYSTEM: PC-DOS 6.2
;     SOFTWARE: WORDPERFECT 6.1
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/568,310D
;     FILING DATE: DECEMBER 6, 1995
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 7-70468 and 7-45564(both Japan)
;     FILING DATE: 3/6/95 and 3/6/95,respectively
;   ATTORNEY/AGENT INFORMATION:
;     NAME: KLEIN, MILTON
;     REGISTRATION NUMBER: 27101
;     REFERENCE/DOCKET NUMBER: 3316
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (212)953-3350
;     TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 20:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 92
;     TYPE: amino acid
;     STRANDEDNESS:
;     TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   PUBLICATION INFORMATION:
;     RELEVANT RESIDUES IN SEQ ID NO: 20:
;     RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92
US-08-568-310D-20
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